

SECTION 8

8.11 POLYVINYL CHLORIDE PRESSURE PIPE:

- A. Elastomeric Gasket Joint: Immediately before joining two lengths of PVC pipe, the inside of the bell or coupling, the outside of the spigot and the elastomeric gasket shall be thoroughly cleaned to remove all foreign material.

Lubrication of the joint and rubber gasket shall be done in accordance with the pipe manufacturer's specifications.

Care shall be taken that only the correct elastomeric gasket, compatible with the annular groove of the bell, is used. Insertion of the elastomeric gasket in the annular groove of the bell or coupling must be in accordance with the manufacturer's recommendations. Pipe that is not furnished with a depth mark shall be marked before assembly to assure that the spigot end is inserted to the full depth of the joint.

The spigot and bell or coupling shall be aligned and pushed until the reference line on the spigot is flush with the end of the bell or coupling. Pushing shall be done in a smooth, steady motion.

- B. Pipe Storage: Pipe stored outside, and exposed to sunlight for more than 30 days, shall be covered with an opaque material such as canvas. Clear plastic sheets shall not be used to cover pipe. Air circulation shall be provided under the covering.
- C. Handling of Pipe in Cold Weather: PVC pipe has reduced flexibility and impact resistance as temperatures approach and drop below freezing. Extra care should be used in handling PVC pipe during cold weather.
- D. Underground Location and Warning Tape: Install 6 inch wide detectable aluminum foil plastic backed tape indicating for buried water line below and installed, 12 inches to 18 inches below surface grade. Tape must be blue in color and be manufactured by Thortec or equal.
- E. Tracer Wire Installation: Install 12 gauge single strand copper tracer wire to pipe with 2 inch wide PVC tape. Splicing of tracer wire shall be per manufacturer's recommendation. The tracer wire shall run to a test station or valve box located next to a fire hydrant.